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AN - 1987-324745 [25]

A - [001] 014 03& 03- 032 062 063 080 140 143 144 151 180 199 213 214 216
217 218 226 231 240 26& 303 308 309 311 316 335 336 341 397 398 42-
431 436 44& 440 473 48- 481 51& 54& 597 600 681 720 722 723

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CPY - TEIJ

DC - A12 A23 A28 F06

FS - CPI

IC - D06M13/16 ; D06M15/41 ; D06M101/32

KS - 0009 0011 0016 0035 0209 0211 0222 0224 0228 0229 1277 1282 1291 1359
1365 1517 1601 2002 2020 2215 2219 2300 2303 2307 2318 2427 2430 2434
2504 2506 2524 3184 3217 3252

MC - A05-A01E3 A05-C02 A05-E01B2 A05-E01B3 A07-B01 A08-D01 A08-M01B A08-R08
A10-E08C A12-S08C F01-D04 F01-H06B F03-D

PA - (TEIJ) TEIJIN LTD

PN - JP62231077 A 19871009 DW198746 003pp

- JP3070037B B 19911106 DW199148 000pp

PR - JP19860068750 19860328; JP19860068756 19860328

XA - C1987-138607

XIC - D06M-013/16 ; D06M-015/41 ; D06M-101/32

AB - J62231077 Linear aromatic polyester fibre is pretreated with a
processing soln. which contains 2,6-dimethylol-4-chlorophenol and
polyepoxide cpd. (A) is treated with 1st processing agent which
contains polyepoxide cpd. (B), blocked polyisocyanate cpd. (C) and
rubber latex (D) and then with 2nd processing agent prepd. by adding
ethylene urea cpd. of formula (E) and epoxy cresol novolak condensate
of formula (F) to resorcinol.formaldehyde.rubber latex. The ethylene
urea cpd. and epoxy cresol novolak condensate are used in a ratio of
20:80 to 80:20 by weight, where R = residue of aromatic or aliphatic
hydrocarbon; n = 0, 1 or 2; When n = 0, terminal gp. is H, where R' =
O-(CH₂)_k-Cl, -O-(CH₂)_l-OH or -(O(CH₂)_m)m'OH; R'' = -H, -CH₃ or -C₂H₅;
k, l, m = 1 to 4; m' = 1 to 5; a, b = 1 to 5; a+b is up to 6.

- ADVANTAGE - The treated polyester fibre has improved adhesion to
rubber and is suitable for reinforcement of rubber.

IW - TREAT LINEAR POLYESTER FIBRE IMPROVE ADHESIVE RUBBER AGENT CONTAIN
POLYEPOXIDE COMPOUND POLY ISOCYANATE RUBBER LATEX AGENT OBTAIN
POLYETHYLENE POLYUREA COMPOUND

IKW - TREAT LINEAR POLYESTER FIBRE IMPROVE ADHESIVE RUBBER AGENT CONTAIN
POLYEPOXIDE COMPOUND POLY ISOCYANATE RUBBER LATEX AGENT OBTAIN
POLYETHYLENE POLYUREA COMPOUND

NC - 001

OPD - 1986-03-28

ORD - 1987-10-09

PAW - (TEIJ) TEIJIN LTD

TI - Treating linear polyester fibre to improve adhesion to rubber - using
agent contg. polyepoxide cpd. polyisocyanate and rubber latex, then
agent obtd. from ethylene]-urea] cpd.